

DATASHEET 1306-4226

Operating Modes Setting

Current:	Voltage:	Resistance:	Power:
0 ... 30 A	0 ... 260 V	0.33 Ω ... 400 Ω	0 ... 4200 W



Accuracy of Settings*:

Current: $\pm 0.5\%$ of setting
 $\pm 0.3\%$ of range

Resistance: $\pm 1.5\%$ of setting
 $\pm 0.5\%$ of range

Presetting Accuracy*:

$\pm 0.4\%$ of setting
plus accuracy of respective mode

Power:

Nominal power: up to $T_A = 21\text{ °C}$

Derating: $-1.2\% / \text{°C}$ for $T_A > 21\text{ °C}$

Frequency Range:

DC, 40Hz ... 700Hz

Harmonic Distortion*:

50Hz / 60Hz: $< 1\%$ at nominal current

Higher frequencies: $> 1\%$

Input Capacitance:

ca. $1.5\mu\text{F}/1400\text{W}$

Operating Temperature:

$5\text{ °C} \dots 40\text{ °C}$

Analog Programming:

0 ... 3.5V/0 ... 7V for current setting 0 ... 100%

Accuracy*: $\pm 0.5\%$ of setting
 $\pm 0.3\%$ of range

Input Resistance: $> 10\text{k}\Omega$

GND: isolated from the load input
(max. $\pm 500\text{V}$)

Analog Monitor Outputs:

Current, Voltage: 0 ... 7V

Accuracy*: $\pm 0.5\% \pm 15\text{mV}$

Power: 0 ... 5V

Accuracy*:	±2% ±30mV
GND:	isolated from the load input (max. ±500V)
Loading Capacity:	min. 2kΩ
External Control:	<ul style="list-style-type: none"> • Load switching • Trigger input and output • Emergency shutdown
Protection Equipment:	<ul style="list-style-type: none"> • Current and power limitation • Over-voltage protection up to 120% of rated voltage • Over-temperature deactivation • Transient protection

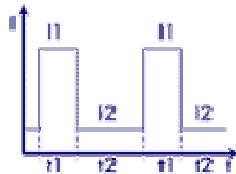
Minimum Voltage:

260V-Devices: **Full current from ca. 3V**

440V-Devices: **Full current from ca. 5V**

Modulator for AC & DC:

Pulse t1: 100µs ... 1s
Pulse t2: 100µs ... 1s
(in two ranges)



Accuracy: **±1% of setting
±0.5% of end value**

Load level: **each 0 ... 100%**

Programming (for interface options):

Settings: **16 Bit resolution**

Accuracy: **see accuracy of settings**

Measurements: **18 Bit resolution**

Accuracy*I: **±0.5% of m.v., ±0.05% of range**

Accuracy*V: **±0.5% of m.v., ±0.05% of range**

Measuring rate: **ca. 3 measurements/s**

Parallel Operation: **up to 3 devices in master-slave operation (hardware-controlled)**

Cooling: **infinitely variable controlled fans**

Noise max. ¹⁾: **73 db(A)**

Dimenson, Weight: **19"-5 HU, 41 kg**

Mains Supply: **115/230V±10%, 50...60Hz**

Power Consumption: 485 VA

Colour:

Front panel: **RAL7032 (pebble grey)**

Sides, lid: **RAL7037 (stone grey)**

Electric Safety: **DIN EN 61010-1**

EMC, CE Mark: **DIN EN 61010: 2002-08**
DIN EN 61326-1: 2006-10
DIN EN 61000-3-2: 2006-10
DIN EN 61000-3-3: 2006-06

** The accuracy data are referred to input frequency 50/60Hz.
At higher frequencies the accuracy will be worse.*

1) measured at the front panel at 1m distance